

**Bonneville Power Administration
FY99 Fish and Wildlife Program Proposal**

Section 1. General administrative information

**Reintroduction of salmon and steelhead -Mary's
Cr. and Owyhee River on the Duck Valley Res**

Bonneville project number, if an ongoing project 9022

Business name of agency, institution or organization requesting funding
Shoshone-Paiute Tribes

Business acronym (if appropriate) Sho-Pai Tribes

Proposal contact person or principal investigator:

Name	<u>Guy Dodson Sr.</u>
Mailing Address	<u>Box 219</u>
City, ST Zip	<u>Owyhee, NV 89832</u>
Phone	<u>208-759-3246</u>
Fax	<u>208-759-3248</u>
Email address	<u></u>

Subcontractors.

Organization	Mailing Address	City, ST Zip	Contact Name

NPPC Program Measure Number(s) which this project addresses.
7.10J.1

NMFS Biological Opinion Number(s) which this project addresses.

Other planning document references.

IDFG comments on relicensing projects (7/97) section 3 anadromous fish

Subbasin.

Upper Snake River subbasin, Owyhee River subbasin

Short description.

The feasibility of stocking the Owyhee River and/or Mary's Cr. with juvenile salmon and steelhead in order to determine outmigration times to the ocean. Also, to determine if these smolts will survive the trip from the Duck Valley Indian Reservation through the many hydro-power dams to the Pacific Ocean.

Section 2. Key words

Mark	Programmatic Categories	Mark	Activities	Mark	Project Types
X	Anadromous fish		Construction		Watershed
	Resident fish	+	O & M	+	Biodiversity/genetics
	Wildlife		Production		Population dynamics
	Oceans/estuaries	X	Research	+	Ecosystems
	Climate	+	Monitoring/eval.	X	Flow/survival
	Other		Resource mgmt		Fish disease
			Planning/admin.	+	Supplementation
			Enforcement		Wildlife habitat en-
			Acquisitions		hancement/restoration

Other keywords.

modeling

Section 3. Relationships to other Bonneville projects

Project #	Project title/description	Nature of relationship
97-011	Habitat Enhancement and Protection	spawning habitat and clean cool water for salmon

Section 4. Objectives, tasks and schedules

Objectives and tasks

Obj 1,2,3	Objective	Task a,b,c	Task
1	Have salmon and steelhead in the Owyhee River/Mary's Creek	a	Put juvenile salmon and steelhead (smolts) into the river/streams on the Reservation.

2	Monitor migration from Reservation to Pacific Ocean	a	PIT tag juveniles to monitor movement from Reservation to Ocean
3	Participate in CBFWA, AFM & FPAC meetings	a	Attend meetings pertinent to this project
4	Participate in FERC and Idaho Power relicensing mtgs.	a	Hire FTE as anadromous fish manager

Objective schedules and costs

Objective #	Start Date mm/yyyy	End Date mm/yyyy	Cost %
1	02/1999	02/2000	40
2	02/1999	02/2000	20
3	02/1999	02/2000	20
4	02/1999	02/2000	20

Schedule constraints.

The only constraints that may cause schedule changes or delays would be the problem of hiring a qualified FTE to participate in meetings. Also, the problem of possibly not being able to find sufficient juvenile fish for release.

Completion date.

2010 or when anadromous fish return to the Reservation.

Section 5. Budget

FY99 budget by line item

Item	Note	FY99
Personnel	Director, Biologist, FTE	\$60,000.00
Fringe benefits	included in the Personnel	
Supplies, materials, non-expendable property		\$25,000.00
Operations & maintenance		
Capital acquisitions or improvements (e.g. land, buildings, major equip.)		
PIT tags	# of tags: 10,000	\$29,000.00
Travel	to mtgs for FTE, local travel and monitoring	\$7,000.00
Indirect costs		\$32,200.00

Subcontracts		
Other		
TOTAL		\$153,200.00

Outyear costs

Outyear costs	FY2000	FY01	FY02	FY03
Total budget	\$153,200.00	\$153,200.00	\$153,200.00	\$153,200.00
O&M as % of total	0	0	0	0

Section 6. Abstract

In reintroducing salmon and steelhead to the Owyhee River the Tribes hope to begin work in persuading IPC to help make Hells Canyon Dam accessible to migrating fish. IDFG states in their response to the relicensing of Federal dams that the feasibility of reintroduction above Hells Canyon should be examined on a multi-project basis. The Tribes want to take the lead in reintroduction and believe we have the resources to initiate such a project. As of now there are no anadromous fish above Hells Canyon, with this fact, we feel that IPC is not concerned with improving this dam. It is the Tribes plan to have anadromous fish above Hells Canyon Dam and Owyhee Dam, and we will work to see this goal become reality, whether it is ten years from now or 100 years from now. We hope to work with BPA and IPC towards this goal and do it in the most cost efficient and beneficial to all parties involved. By releasing smolts on the Reservation we will determine timing to the ocean and then set up a model to determine the best time for future releases in this area. We propose to release PIT tagged juvenile salmon in the Owyhee River and Mary's Creek to determine outmigration time to the ocean and to monitor these fish to see if any begin the return journey. Also as part of this project we will hire a full time employee to attend pertinent meetings in order to keep and BPA updated on our progress.

Section 7. Project description

a. Technical and/or scientific background.

The Duck Valley Indian Reservation is located in Idaho and Nevada. The Owyhee River enters the Reservation at the southeast corner in Nevada and exits in the northwest corner of the Reservation in Idaho, continuing into Oregon where it enters the Snake River. The surface water resources of the Reservation consists of the Owyhee River, two man-made lakes, over 350 miles of tributary streams, and a new proposed man-made lake in the Billy Shaw slough area. Historically over 200 stock water ponds (various sizes), 13,500 acre feet of water in Mary's Cr. which leaves the Reservation on the Northeast corner into CJ Strike Reservoir (Bruneau River).

The Habitat Enhancement project for the Duck Valley Indian Reservation is part of an on-going project begun in 1997 and funded by Bonneville Power Administration as

substitution for the loss of resident fish habitat due to the construction of federal and non-federal hydroelectric dams on the Columbia and Snake Rivers. These dams resulted in the complete abolishment of anadromous fish and greatly disturbed the habitat for native resident fish in the Owyhee River and its tributaries on the Reservation. The loss adversely impacted our tribal treaty rights and natural resources, as well as negatively impacting our social, cultural, and economic resources on the Duck Valley Indian Reservation. This proposal is to attempt to restore salmon population into the Owyhee River watershed and work with IPC and BPA in providing fish passage over Hells Canyon Dam on the Snake River.

In a statement by Idaho Fish and Game (IDFG) with regard to the relicensing process, they stated that the feasibility of reintroduction of anadromous fish above Hells Canyon should be examined (IDFG 1997). This is the last chance the Tribes will have to do this for the next 40 years. If changes are not made to these dams now, the Tribes may permanently lose their cultural heritage and traditional way of life. By reintroducing anadromous fish in F, this will give BPA and IPC four years to complete fish passage on the dams that block the Owyhee subbasin. It is our hope that work will be complete in time for the adults (released here in spring 1999) to return to the spawning grounds (2004) of the Owyhee River, Mary's Creek, and its tributaries.

With the Habitat Enhancement project underway we believe we have suitable habitat and spawning areas to once again support anadromous fish. It is our purpose to bring these fish back to the Owyhee River and have our culture and way of life returned to us.

In providing excellent salmon habitat in the Owyhee River, we in turn will be helping the habitat downstream, thus providing cool, clean water downstream aiding the salmon and salmon managers with desirable conditions to support salmon.

The Shoshone-Paiute Tribes believe the best way to provide clean water downstream is to ensure that there is clean water upstream. This work is the most logical component of our goal for the Columbia Basin Ecosystem, which is to "protect, mitigate, and enhance fish and wildlife" in the Columbia River Basin. It is difficult to achieve these goals in the Columbia, Snake or any other river in Idaho, Oregon, or Washington without first having clean water entering these drainages.

All work has been completed under the direction of Guy Dodson Sr. (Director of the Habitat, Parks, Fish and Game Department) (HPFG). The following key personnel have also been important in the completion of this work:

Personnel:

Guy Dodson Sr. - Director Habitat, Parks Fish and Game
Vincent Pero - Tribal Biologist
Reggie Premo - Fisheries/Wildlife Technician

b. Proposal objectives.

The specific objectives for this project for Fiscal Year 1998 are as follows:

Objectives:

1. Have salmon and steelhead in the Owyhee River and Mary's Cr. watersheds
2. Monitor migration to the Pacific Ocean
3. Participate in CBFWA, AFM, and FPAC meetings
4. Participate in FERC and IPC meetings

Expected Outcomes/Products:

1. Have adult salmon begin their journey to the DVIR
2. Database of run times, mortality, and other pertinent information
3. Participate and have input in meetings relevant to this project
4. Hire a FTE as anadromous fish manager

c. Rationale and significance to Regional Programs.

This project is intended to aid in the return of anadromous fish to the Owyhee River. The project is consistent with Council Measure 7.10J.1 (passage into historical areas) in providing passage into areas that historically had anadromous fish. The Tribes believe that in releasing juvenile salmon in 1999, there is a possibility that in four years (2003) there will be passage over Hells Canyon or Owyhee Dam and we will have adult returns to the Owyhee River subbasin. We want to take the first step in providing fish for the tribal members and for the non-indians. If this project is not initiated and there is work done on Hells Canyon Dam, the Tribes would have to wait a minimum of four more years after completion of work on the dam. With this proposal we will take the lead in helping our native salmon and steelhead return to the spawning areas of the Owyhee River and its tributaries.

We also hope to be able to work with IDFG and the Shoshone-Paiute Tribes in helping this project succeed. With everyone working together instead of as enemies the Tribes feel we can accomplish this enormous task and begin to see changes made and fish return to our subbasin for the enjoyment of all, Indians and non-indians.

d. Project history

New Project - Not addressed by AFM or CBFWA

e. Methods.

This project is intended to return the once native chinook salmon and steelhead trout to the Owyhee River subbasin. The scope of this project is a long term plan that calls for coordination with agencies and Tribes down river.

We intend to secure juvenile salmon and steelhead from a hatchery (Phasimeroi, Red River) that has excess smolts in 1999. Transportation to the Reservation will be made in a hatchery tanker to for the best survival rate. Fish will be already PIT tagged and information included in a database. The smolts will be released in the early spring (April) in the Owyhee River and Mary's Creek. Approximately 10,000 fish will be released (if available) and will be divided between the two drainages. Water quality, times, and flows for each release site will be included in the database. Fish will be monitored via PIT tag readers at the various dams on the Snake and Columbia Rivers. This information will also be included in the database for future reference. We there will be approximately a 10% survival rate to the ocean, with approximately 3% of those returning as adults (30 adults). The purpose of this project is to see if we can get 30 adults that were released on the Reservation to be monitored in the Snake River on the return trip towards the Reservation. It is also our hope that in this time (4 years) there will have been improvements made to the Owyhee Dam and Hells Canyon dam that will allow passage into our waters.

Whether improvements to the dams are made or not, this information will be valuable to all anadromous fish managers with regard to outmigration times, return times, age at time of return, and other information throughout the course of the project. If this project is accepted, the Tribes will coordinate with all interested parties (ODFW, WDFG, UI, Sho-Ban Tribes, etc.) to insure that all information is gathered and is available for all agencies to use and learn from.

f. Facilities and equipment.

The Habitat, Parks, Fish and Game Department of the Shoshone-Paiute Tribes is currently being run from an office building located on the Duck Valley Reservation. The office is equipped with computers (including scanner, printer, etc.) for the Director, Biologist, and secretary.

We have one 1996 pick-up truck that are is leased through the Fish Stocking program as well as two vehicles that are leased through the Habitat Enhancement program. We also have one pickup that is from our wildlife and parks program. These programs combined have purchased or have the use of the following equipment:

Gill nets

Lake survey equipment (sechie disc, plankton net, dredge, etc)

Electroshocker (stream)

Water quality meter (D.O, Ph, Temp)

Substrate sampler

Various hand and power tools

16' John boat

Snorkel equipment (wetsuits, masks, etc)

Coolers

Refrigerator/freezer
Two way radios

g. References.

Idaho Fish and Game. 1997. Comments on scoping document #1 regarding the relicensing process of FERC. Natural Resources Division, Boise, Idaho

Section 8. Relationships to other projects

The anadromous fish project complements three other projects both funded by BPA. The Tribes have a Habitat Enhancement project which is working on protecting and repairing critical stream habitat near the reservoirs and elsewhere on the Reservation. This stream work will provide clean cool water for the smolts to begin their migration to the ocean. And should the Owyhee or Hells Canyon Dams be repaired, provide exceptional spawning areas for the adult salmon. Also, we are currently nearing the end of the "Final Engineering and Design" phase of the Billy Shaw Wetlands area project. These projects also will help to educate both tribal and non-tribal members of the importance of maintaining a clean water system and the benefits of the riparian areas surrounding these waters.

This project is incorporated with Shoshone-Paiute Tribes Wildlife and Parks (W&P) and Wildhorse Marina and RV Park programs which is under the administration of the Habitat, Parks, Fish and Game Department. We have found that by incorporating all of these programs into one department the office is more efficient and effective in helping to enhance and protect our fish and game on the Reservation. The W&P program is responsible for the campgrounds at both reservoirs and maintaining these areas for visitors. We are in the process of writing new fish and game statutes, and hope to have a conservation officer to enforce these new laws. It is the hope of the Tribes to have self sustaining wildlife, fisheries, and clean cool free flowing water on the Reservation for the enjoyment of all, both Indians and non-Indians. We are working for the good of the entire Owyhee Basin and Columbia Basin ecosystem and would like to have a place for both sportsman and recreationalists to come and enjoy.

Section 9. Key personnel

Guy Dodson Sr. Director- Habitat, Parks, Fish and Game Department

Responsible for the day-to-day operation of the department. Attends meetings sponsored by Tribal Council, Northwest Power Planning Council, CBFWA and other important groups pertinent to this project(s). FTE (2080hrs)

RESUME

Guy Dodson Sr. - Project Director

Education

Bacon Jr. College A.A
University Nevada at Reno
May 1979

Boise State University 3 quarters
Boise Idaho

Work Experience

April 1997 - Present Director - Habitat, Parks, Fish and Game
Shoshone-Paiute Tribes-Duck Valley Indian
Reservation
Owyhee NV 89832

January 1996- Present Director - Billy Shaw Wetlands Project
Shoshone-Paiute Tribes-Duck Valley Indian
Reservation
Owyhee NV 89832

January 1990 - December 1996 Mental Health Director (Acting)
Owyhee Hospital
Shoshone-Paiute Tribes-Duck Valley Indian
Reservation
Owyhee NV 89832

Previous work has included administration of contracts, grants, and programs for the Shoshone-Paiute Tribes including, but not limited to: education, vocational training, Dept. of Labor, EEOC, Job Corps, Job Training Partnership Act, Bureau of Indian Affairs.

Experienced in working with large and diverse groups of individuals and agencies.
Experienced in the administration of large construction projects as well as participation in actual arena of labor for completion (ie. carpentry, pipelayer, masonry etc.)

Vincent Pero Tribal Biologist- Habitat, Parks, Fish and Game Department
Responsible for the biological aspects of the project(s), as well as the day-to-day operation of the temporary crew. Attends meetings pertinent to the project(s). (FTE (2080hrs)

Resume

Vincent D. Pero

Education

University of Idaho - B.S.
Moscow Idaho
May 1996

Work Experience

March 1997-Present	Tribal Biologist - Habitat, Parks, Fish and Game Shoshone-Paiute Tribes-Duck Valley Indian Reservation Owyhee, NV
May 1996-March 1997	University of Idaho Fisheries Technician

My work experience includes five years as a field technician in fisheries work. Working with anadromous and resident fish as well as many habitat projects for Idaho Department of Fish and Game. I have construction experience both in Idaho and New York states, and am currently finishing up my first year as Tribal Biologist for the Tribes. My experience also includes work with the University of Idaho analyzing data and radio tracking steelhead and chinook salmon.

During this work I have been responsible for supervision of a four man crew, figuring budgets for many programs related to the Habitat Enhancement Project, attending pertinent meetings with state and federal agencies, writing proposal, reading and responding to various EA's and EIS's, and daily operation of our program. The work that has been completed so far in our program are my most recent job completions to date.

Section 10. Information/technology transfer

The information gathered from this project will be available at the HPFG Department during normal business hours. We will also have the information available via e-mail or US mail. The data will be available as a database at the conclusion of this project with limited information available throughout the course of this work. Upon completion of the projects, fisheries evaluations, and the preliminary results of this project, most of the data will be available as publications. The information gathered during the course of this project is new information and hopefully the data and observations will be able to be used by other scientists to better help them work with the native trouts of the inland Northwest.